

**R E M A R K S**

The above amendment corrects the filing date of the PCT parent application.

A marked up copy of this amendment is enclosed along with a request for a corrected filing receipt.

Respectfully submitted,

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Version with Markings to  
Show Changes Made

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P A T E N T & T R A D E M A R K O F F I C E  
This is a divisional application of Serial No. 09/355,891, filed  
October 22, 1999, which is a 371 of PCT/JP98/00363, filed February 7,  
SPECIFICATION 1999. January 29, 1998.

METHOD FOR PURIFYING MATTER CONTAMINATED WITH  
HALOGENATED ORGANIC COMPOUNDS

FIELD OF THE INVENTION

5 The present invention relates to a method for purifying matter such as soil, sediment, sludge and water contaminated with halogenated organic compounds, particularly a chlorinated organic compound. The present invention particularly relates to a method for purifying 10 contaminated matter by reductive dehalogenation combining a chemical reaction with a biological reaction, thereby decomposing the halogenated organic compound.

RELATED ART

Recently, halogenated organic compounds such as 15 tetrachloroethylene, trichloroethylene, 1,1,1-trichloroethane, and dichloroethylene are widely used as a degreasing agent for electronic components and mechanical metal components and a cleaning agent for dry cleaning. Halogenated organic compounds are contaminants in soil and 20 ground water. These halogenated organic compounds do not readily decompose in the natural world and are hardly soluble in water, and therefore tend to accumulate in soil and to penetrate into ground water. Moreover, halogenated organic compounds are known to induce hepatic disorders and 25 cancer. Therefore, it is desirable to decompose halogenated organic compounds such as chlorinated organic compounds in soil and so on.

In these days, bioremediation has been receiving